Index of Claims



Application/Control No.

10/091,691

Examiner

LAVIGNE ET AL.

Art Unit

Reexamination

Applicant(s)/Patent under

**Ronald Abelson** 

2616

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal Α o Objected

| Cla                  | Claim Date   |                |                   |                  | С                | aim              |              | Date     |                 |         |          |                | CI                      | aim                | Date  |       |            |          |          |  |          |          |          |  |                   |           |
|----------------------|--------------|----------------|-------------------|------------------|------------------|------------------|--------------|----------|-----------------|---------|----------|----------------|-------------------------|--------------------|-------|-------|------------|----------|----------|--|----------|----------|----------|--|-------------------|-----------|
|                      | <del>a</del> | 2/10/06        |                   |                  |                  |                  |              | <u>a</u> | 1 1             |         |          |                |                         |                    |       |       | <u>~</u>   |          |          |  |          |          |          |  | П                 | П         |
| Final                | Original     | 1              |                   |                  |                  |                  | Final        | Original |                 |         |          |                |                         |                    |       | Final | Original   |          |          |  |          |          |          |  |                   |           |
| ፲፫                   | Ö            | 77             | `                 |                  |                  |                  | 正            | Ö        |                 |         |          |                |                         |                    |       | 证     | Ä          |          |          | - 1  |          |          |          |  |                   |           |
|                      |              | 3              | $\dashv$          | $\dashv \bot$    |                  | Ш                | <u> </u>     |          | 1 1             | $\perp$ | 1        | $\sqcup$       | $\bot$                  |                    |       |       |            | L        | Ц        | _  |          |          |          |  | _                 | _         |
| $\vdash$             | 1            | _              | ++                | ++               | +                | 44               | <u> </u>     | 51       | 1               | -       | +        | <u> </u>       | $\dashv$                |                    | 4     |       | 101        | _        | Щ        | _  |          |          |          |  | _                 | _         |
| <u> </u>             | 2            | <b>-</b>  -    | -                 | -  -             |                  |                  |              | 52       | -               | _       | 4        | $\sqcup$       | 1-1                     |                    |       |       | 102        | _        | $\sqcup$ | _  |          |          |          |  | $\dashv$          |           |
| 3                    | 3            | 1              |                   |                  |                  | 1-               |              | 53       |                 | _       | 4        |                | $\dashv$                |                    | -     |       | 103        | _        | $\vdash$ |  |          | _        |          | _  |                   | _         |
| 4                    | 5            | +              | $\dashv$          | $\dashv$         |                  | +                | <u> </u>     | 54       | +               |         | ╁        | $\vdash$       | +                       |                    | -     |       | 104        | <u> </u> |          | -  | _        |          | $\dashv$ | $\dashv$   | $\dashv$          | _         |
|                      | 6            | +              | $\dashv$          | -+-+             |                  |                  | ii           | 55<br>56 | ╁┼              |         | ╀        |                | -                       |                    | -     |       | 105        | _        |          |  | $\dashv$ | _        |          | $\dashv$   | -                 | _         |
| 5                    |              |                | ++                | <del></del>      |                  |                  |              | 57       | ╂┼┤             |         | +        | $\vdash$       | +                       | -                  | -     |       | 106<br>107 | H        |          | -  | $\dashv$ | _        | $\vdash$ | $\dashv$   |                   | _         |
| 9                    | 8            | <del></del>    | <del>- - </del> - | +                |                  | <del>     </del> |              | 58       | +               | +       | +        | $\vdash$       | +++                     |                    | ┨┈║   |       | 108        | $\vdash$ | -+       | $\dashv$                                   | $\dashv$ | -        |          | $\dashv$   |                   | _         |
| 3                    | 9            | -              | ++                |                  | ++-              | 1                | <del> </del> | 59       | +               | +       | +        | $\vdash$       | +                       |                    | 1     |       | 109        | H        | $\vdash$ | $\dashv$                                   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$          | _         |
| 8                    | 10           | -              | 11                | 11               |                  | 1-1              |              | 60       | 1 1             | +       | +        |                | +-+                     | $\dashv$           | 1     |       | 110        |          | $\vdash$ | $\dashv$                                   | ᅱ        |          | $\dashv$ | $\dashv$   | $\dashv$          | $\dashv$  |
| 8                    | 11           |                | 17                | 11               | 11               | 1                | -            | 61       | 1-1             |         | _        |                | +                       | $\dashv$           | 1     |       | 111        | ┢        | $\vdash$ | ᅥ  | _        |          | $\dashv$ | +  | $\dashv$          | _         |
| 8<br>4<br>10         | 12           | 1              | $\top$            |                  | 7                |                  |              | 62       | 1               |         |          | $\vdash$       | $\dashv \dashv$         | _                  | 1     | -     | 112        |          |          | $\dashv$                                   | -        | $\neg$   | $\dashv$ | 一  | $\dashv$          | $\dashv$  |
|                      | 13           | $\top$         | 11                | 77               | +                |                  |              | 63       | 11              |         | $\top$   | $\vdash$       | +                       |                    | 1     |       | 113        | П        |          | $\dashv$                                   |          | $\dashv$ | -1       | $\dashv$   | $\dashv$          | $\exists$ |
| 12                   | 14           | $\prod$        |                   |                  |                  |                  |              | 64       | 1 1             | _       | Т        |                | 1-1                     | $\dashv$           | 1     |       | 114        |          | $\vdash$ | 7  | $\dashv$ | $\neg$   | $\dashv$ | 一  | ᅥ                 | $\dashv$  |
| 13                   | 15           | II             |                   |                  |                  |                  |              | 65       |                 |         |          |                | 1 1                     | 丁                  |       |       | 115        |          | П        |  | ヿ        |          |          | $\neg$   | コ                 | $\neg$    |
| 17<br>14<br>15       | 16           | $\prod$        |                   |                  |                  |                  |              | 66       |                 |         |          |                |                         |                    |       |       | 116        |          |          |  | ╗        | $\neg$   |          | $\neg$   | ヿ                 | ㅓ         |
| 15                   | 17           |                |                   |                  |                  |                  |              | 67       |                 |         |          |                |                         |                    |       |       | 117        |          |          |  |          |          |          | $\neg$   | $\neg$            | $\neg$    |
| 16                   | 18           | Ш              |                   |                  |                  |                  |              | 68       |                 |         |          |                |                         |                    | ]     |       | 118        |          |          |  | T        |          |          |  | ヿ                 | -         |
| 17                   | 19           |                | $\perp \perp$     | $\perp \perp$    |                  |                  |              | 69       |                 |         |          |                |                         |                    |       |       | 119        |          |          |  |          |          |          |  | $\Box$            |           |
| 18                   | 20           | $\sqcup$       | $\bot$            |                  |                  |                  | <u> </u>     | 70       | Ш               |         | Ш        |                |                         |                    |       |       | 120        |          |          |  |          |          |          |  |                   |           |
| 19                   | 21           | $\sqcup$       | $\dashv$          | $\bot\bot$       |                  | 1                | ļ            | 71       |                 | _ _     | Щ        | oxdot          | $\sqcup$                |                    |       |       | 121        |          |          |  |          |          |          |  | ┙                 | $\Box$    |
| 20                   | 22           | $\vdash$       |                   | +                | +                |                  |              | 72       | 1-1             |         | 1        | oxdot          | $\perp$                 | _ _                |       |       | 122        | Ш        |          | _  |          | _        |          | _  | $\dashv$          | ᆜ         |
| 19<br>20<br>21<br>22 | 23           | ⊢⊢             | ++                |                  |                  | 1                | <b> </b>     | 73       | $\vdash$        |         | $\bot$   |                | -                       | _                  |       |       | 123        |          | 4        | 4  | _        | _        |          | _  |                   | ᆜ         |
| 24                   | 24           | ┞┼             | +                 | ++               | +                | +                | <u> </u>     | 74       | $\vdash$        |         | $\perp$  |                | +                       |                    | 4     |       | 124        |          | _        | 4  | _        |          |          | _  | _                 | _         |
| 22                   | 25           | <b>∤</b> ⊹     | ++                | ++               |                  | +                | ļ            | 75       | ╁┼              | +       | ┾╌       | $\vdash$       | +                       | <del></del>        | -     |       | 125        | Ш        | _        | -  |          | -        | _        | _  | $\dashv$          |           |
| 24<br>25             | 26<br>27     | <del>:  </del> | ++                | +-+              |                  | +-               |              | 76<br>77 | +               | -       | ╁╌       |                | ++                      |                    | -     |       | 126        | Н        |          | -  |          | $\dashv$ |          | 4  | $\dashv$          |           |
| ~                    | 28           | -              |                   |                  | +                | +-               | -            | 78       | +-+             | +       | +        |                | +-+                     | -                  | -     |       | 127        | -        | $\vdash$ | $\dashv$                                   | -        |          |          | 4  | $\dashv$          | $\dashv$  |
|                      | 29           | -              |                   | ++               | +                | +-               | <u> </u>     | 79       | ╀               |         | +        | -              | +                       | -                  | -     |       | 128<br>129 |          | $\dashv$ |  | -        | $\dashv$ | $\dashv$ | -+   | $\dashv$          | $\dashv$  |
|                      | 30           | -              | ++                | +                |                  | +-               |              | 80       | 1               | +-      | +        | -              | +-+                     |                    | 1     |       | 130        | Н        | -        | ↤  | $\dashv$ | $\dashv$ | -        | $\dashv$   | $\dashv$          |           |
|                      | 31           |                | <del>-  </del> -  |                  |                  | +                | -            | 81       | $\vdash$        | +       | +        | +              | +                       | +                  |       | -     | 131        | Н        | $\dashv$ | +  | $\dashv$ | -        | $\dashv$ | $\dashv$   | -                 | $\dashv$  |
|                      | 32           | $\dashv$       | ++                | ++               | ++               | + 1              | -            | 82       |                 |         | 1-1      | -+             | +-+                     | +                  | 1     |       | 132        | Н        | $\dashv$ | ┥  |          | $\dashv$ | -        | $\dashv$   | $\dashv$          | ᅱ         |
|                      | 33           |                | +                 | ++               |                  | +                | $\vdash$     | 83       | +++             |         | $\vdash$ | -              | 1                       | +                  |       |       | 133        | Н        | -        | ┪  | -        | $\dashv$ | -        | $\dashv$   | $\dashv$          | $\dashv$  |
|                      | 34           | $\dashv$       | +                 |                  | <del>    -</del> | 1-1              |              | 84       | <del>   </del>  |         | Н        | $\dashv$       | + +                     | +                  |       |       | 134        | $\vdash$ | $\dashv$ | 十  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$          | ㅓ         |
|                      | 35           |                | 11                | <del>     </del> |                  |                  |              | 85       | 1               | +       | H        | $\neg$         | 1 1                     | _                  | 1     |       | 135        | Н        | +        | 寸  | $\dashv$ | $\dashv$ | ᅱ        | 十  | $\dashv$          | ㅓ         |
|                      | 36           |                |                   |                  |                  |                  |              | 86       |                 | 1       | $\sqcap$ | $\neg$         | 11                      | 十                  | 1 1   |       | 136        | Н        | $\neg$   | 寸  | 一        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$          | ㅓ         |
|                      | 37           |                |                   |                  |                  |                  |              | 87       | $\Box$          |         | П        |                | 11                      | $\neg \vdash$      | 1     |       | 137        |          | _        | 7  | 一        | $\dashv$ | $\dashv$ | 十  | $\dashv$          | ᅱ         |
|                      | 38           |                |                   |                  |                  |                  |              | 88       |                 |         | П        |                | 11                      |                    |       |       | 138        |          |          | $\dashv$                                   | $\dashv$ |          | $\dashv$ | 十  | 7                 | ヿ         |
|                      | 39           | $\Box$         |                   | $\prod$          |                  |                  |              | 89       |                 |         |          |                |                         |                    | ]     |       | 139        |          | $\dashv$ | $\dashv$                                   | 7        |          |          | $\neg$   | $\dashv$          | ᅦ         |
|                      | 40           | $\perp \Gamma$ |                   |                  | $\perp \Gamma$   |                  |              | 90       |                 |         |          |                |                         |                    | ]     |       | 140        |          | 丁        |  |          |          |          |  | $\Box$            | ╛         |
|                      | 41           |                | $\perp \perp$     | $\perp \perp$    |                  | $\sqcup$         |              | 91       | $\Box$          |         |          | $\Box$         |                         |                    |       |       | 141        |          |          | $\Box$                                     | J        | J        |          | $\Box$   | $\Box$            |           |
|                      | 42           | $\perp$        | $\perp \perp$     | 11               |                  |                  |              | 92       |                 |         | $\Box$   |                |                         |                    |       |       | 142        |          |          | $\Box$                                     | I        |          |          |  | $\Box$            |           |
|                      | 43           |                | 44                | ++               |                  | $\Box$           |              | 93       |                 | $\perp$ | Ш        |                | Ш                       |                    | ][[[  |       | 143        |          |          |  |          |          |          | $\Box$   |                   |           |
|                      | 44           |                | +                 | ++               |                  | Ш                |              | 94       | $\coprod$       | $\perp$ | $\sqcup$ | $\perp \Gamma$ | $\sqcup$                | _[_                | ] [ ] |       | 144        |          | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{\square}}}$ | $\Box$   |          |          | $\Box$   | $\Box$            |           |
|                      | 45           | _              | 44                | $\bot\bot$       |                  | 1_               | <u> </u>     | 95       | $\sqcup$        | $\bot$  | $\sqcup$ |                | $\bot \downarrow$       | $\bot \!\!\! \bot$ |       |       | 145        |          | $\perp$  | _[   | _[       | $\Box$   | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}} $ | $oldsymbol{\bot}$ | _]        |
|                      | 46           | 4              | +                 | 44               |                  | $\square$        |              | 96       |                 | 4       | Ш        | $-\!\!\!\perp$ | $\perp \downarrow$      |                    |       |       | 146        |          |          |  | $\perp$  | $\bot$   | $\perp$  |  |                   | ╝         |
|                      | 47           |                | 11                |                  | +                | $\square$        |              | 97       | $\sqcup$        |         | Ш        | _              | $\downarrow \downarrow$ |                    | [     |       | 147        | $\Box$   | _        | $\perp$                                    | $\perp$  | $\prod$  |          | $\Box$   | $\perp$           |           |
|                      | 48           | -              | ++                | -                | +                | $\square$        |              | 98       | $\sqcup$        |         | $\sqcup$ | _              | $\perp \perp$           | -                  |       |       | 148        | $\sqcup$ | _        | _  | $\perp$  | $\Box$   | $\perp$  | $\perp$  | $\perp$           | $\Box$    |
|                      | 49           | +              | +                 | ++               | +                | +                | <u> </u>     | 99       | $\vdash \vdash$ |         | $\sqcup$ | Щ              | $\sqcup$                |                    |       |       | 149        | $\sqcup$ | _        | 4  | _        | _        |          | _  |                   | $\sqcup$  |
|                      | 50           |                |                   | ᆚᆚ               |                  | ┈                | :            | 100      |                 | _L_     | $\perp$  |                |                         | L                  | J[    |       | 150        |          |          | i  |          | _1       |          | - 1  |                   | - 1       |